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rated, and diffused in their Medium : Of their difference to the Organ of Hearing ; together with their Reception there, and wonderful Effects : Of the Matter, Form, Quantity, and Quality of Musical Bodies or Sounds : That Musical Sounds are originally in the Radix or Unison ; and of their Fluxion out of it : Of the General and Special Kinds, Differences, Properties and Accidents of Sounds : Of the Truth and Falshood of Sounds.

2. Of the Principles of the Mathematical Part of Musick : Of the Whole, and Parts of the Scale of Musick : Of Sounds Equal and Unequal : Of the Numeration, Addition, Subtraction, Multiplication and Division of Musical Sounds : Of Musical Proportions, and their various Species : What a Musical Body or Sound (Mathematically considered, viz. as Numberable,) is : Of Musical Medieties, sc. Arithmetical, Geometrical and Harmonical, together with 8 other Musical Medieties, of which no mention being made by any Musical Author : Of the Radix's of Musical Numbers ; and that by their Powers all those Numbers, (and no other,) which demonstrate the Proportions of Sounds, do arise : Of Musick Diatonic, Chromatic, and Enharmonic : Of the Principles of a Musical Magnitude, what and how manifold they are, and how they are conjoyed : Of the Contact, Section, Congruity, Adscription of a Musical Body : Of the Commensurability thereof : In what respect a Musical Sound may be said to be Infinite, and how to bound that Infinity.

3. Of a Musical System, Character, Voice, or Key : Of the Transposition of Keys : Of the Mutation of Musical Voices : Of Musical Pauses and Periods : Of the Denomination of Notes : Of the Moods, and Intervals : Of pure and florid Counter-point : Of Figurat Musick : Of Fuges, Canons, Double-discant, Syncope : Of the Mensuration of Sounds (called Time) and the Reason thereof : Of Choral Musick, both Roman and English : Of the Rhythmical part of Musick : Of the Solmisation, and Reason thereof.

4. The Abstruse and Difficult Terms of this Science are explained : The unnecessary and mystical subtleties, into which the Causes both of the Theory and Practic of Musick were reduced to the great obscuring of this Art, are omitted : The Principles of Philosophy, Mathematicks, Grammar, Rhetorick and Poetry, are applied to Musical Sounds, and illustrated by them : The Generation of such Sounds is discours'd of, and particularly demonstrated.

5. An easie way is by this Author invented for making Airy Tunes of all sorts by a certain Rule (which most men think impossible to be done,) and the Composing of 2, 3, 4, 5, 6 & 7 Parts ; which by the Learner may be performed in a few months ; viz. in two months he may exquisitely and with all the Elegancies of Musick compose two parts ; in three months, three Parts, and so forward ; as he affirms many persons of honor and worth have often experienced ; which otherwise cannot be done in so many years.

6. Whatsoever is ground'd upon the severat Hypotheses and Postulata

is clearly demonstrated by Tables, Diagrams, Systems, &c.

ERRATA. P. 5132. l. 31. r. the Vowels.

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